<u>IN THE CLAIMS</u>:

The following is a complete listing of the claims in this application, reflects all changes previously made to the claims, and replaces all earlier versions and all earlier listings of the claims:

1.   (Previously Presented) An image pickup apparatus comprising:

an image pickup device adapted to pick up an image of an object to output an image signal;

an image processing device adapted to process the image signal to generate first-resolution image data and second-resolution image data having a resolution which is not higher than that of the first-resolution image data;

a storage control device adapted to store, in a memory, the first- and second-resolution image data of image signals of a series of frames which are obtained by consecutively picking up the image of the object;

a display control device adapted to display the second-resolution image data of the series of frames stored in said memory on a display screen, immediately after image pick up of the series of frames;

a compression encoding device adapted to compress and encode, at a predetermined compression ratio, the first-resolution image data; and

an output device adapted to output compressed and encoded image data of a desired frame from the compressed and encoded image data of the series of frames of the image to a non-volatile memory in response to selecting the desired frame.

2.   (Canceled)

3.   (Previously Presented) An apparatus according to claim 1, further comprising a transmission device adapted to transmit the selected image data.

4.   (Canceled)

5.   (Previously Presented) An apparatus according to claim 1, wherein said compression encoding device compresses and encodes the selected image data at a compression ratio different from the predetermined compression ratio.

6.-11. (Canceled)

12.   (Previously Presented) An image pickup method comprising:

a step of picking up an image of an object to output an image signal;

a step of processing the image signal to generate first-resolution image data and second-resolution image data having a resolution which is not higher than that of the first-resolution image data;

○   a first outputting step of outputting a designation signal so as to process image signals of a plurality of frames in said image processing step;

a storage step of storing the first- and second-resolution image data of the image signals of a series of frames which are obtained by picking up an image of the object in said picking up step;

a step of displaying the second-resolution image data of the series of frames stored in said storage step, immediately after image pick up of the series of frames;

a step of compressing and encoding, at a predetermined compression ratio, the first-resolution image data of the series of frames; and

a second outputting step of outputting compressed and encoded image data of a desired frame from the compressed and encoded image data of the series of frames of the image to a non-volatile memory in response to selecting the desired frame.

13.   (Canceled)

14.   (Previously Presented) A method according to claim 12, further comprising a step of transmitting the image data selected in said second outputting step.

15.   (Canceled)

16.   (Previously Presented) A method according to claim 12, wherein the compression encoding step compresses and encodes again the image data selected in said second outputting step at a compression ratio different from the predetermined compression ratio.

17.-22.   (Canceled)

23. (Previously Presented) A storage medium storing a control program for an image pickup apparatus in a state readable from a computer, the control program comprising:

a step of picking up an image of an object to output an image signal;

a step of processing the image signal to generate first-resolution image data and second-resolution image data having a resolution which is not higher than that of the first-resolution image data;

a first outputting step of outputting a designation signal so as to process image signals of a plurality of frames in said image processing step;

a storage step of storing the first- and second-resolution image data of the image signals of a series of frames which are obtained by picking up an image of the object in said picking up step;

a step of displaying the second-resolution image data of the series of frames stored in said storage step, immediately after image pick up of the series of frames;

a step of compressing and encoding, at a predetermined compression ratio, the first-resolution image data of the series of frames; and

a second outputting step of outputting compressed and encoded image data of a desired frame from the compressed and encoded image data of the series of frames of the image to a non-volatile memory in response to selecting the desired frame.

24. (Canceled)

25.   (Previously Presented) A medium according to claim 23, wherein the control program further comprises a step of transmitting the image data selected in said second outputting step.

26.   (Canceled)

27.   (Previously Presented) A medium according to claim 23, wherein the compression encoding step compresses and encodes again the image data selected in said second outputting step at a compression ratio different from the predetermined compression ratio.

28.-33. (Canceled)